Title (en)

HIGH MELT STRENGTH POLYMERS AND METHOD OF MAKING SAME

Title (de)

POLYMERE MIT HOHER SCHMELZEFESTIGKEIT UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

POLYMERES PRESENTANT UNE RESISTANCE A L'ETAT DE FUSION ELEVEE ET PROCEDE DE PRODUCTION DE TELS POLYMERES

Publication

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Application

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Priority

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- US 27671901 P 20010316

Abstract (en)

[origin: WO02074817A2] A polymerization process comprises contacting one or more olefinic comonomers in the presence of at least a high molecular weight catalyst and at least a low molecular weight catalyst in a single reactor; and effectuating the polymerization of the olefinic comonomers in the reactor to obtain an olefin polymer. Preferably, both catalysts have the ability to incorporate a substantially similar amount of comonomers in the olefin polymer. The polymers produced by the process may have a relatively higher level of long chain branching while maintaining a relatively narrow molecular weight distribution, i.e., MWD less than about 6. These interpolymers may exhibit processability similar to or better than LDPE but have physical properties similar to metallocene catalyzed polymers.

IPC 8 full level

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CPC (source: EP KR US)

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